

NOAA Google Maps for Enterprise

Overview

The Google Maps for Enterprise is analogous to the Google Maps API with the exception that the limitation for daily use is not enforced as it is by the "free" Google Maps API. Also, per the terms of the Google Maps for Enterprise, NOAA is permitted to use this application on non-public facing servers for internal operational applications whereas the "free" license forbids this behavior.

The Google Maps for Enterprise is designed to be a pre-purchase of a quantity of "transactions" between NOAA servers and the Google hosted Maps API tools. Transactions are purchased in specific volumes according to the anticipated need of the purchaser with a slight buffer to compensate for replenishment of transaction quantities.

In this initial procurement for NOAA, the quantity of transactions available to NOAA acquired is 4.5 million transactions. While this number may be low when considering all possible uses of the API across NOAA, this initial quantity will provide NOAA developers the opportunity to begin implementing the Google Maps for Enterprise into their production applications and help NOAA estimate appropriate quantities of transactions to purchase in future acquisitions.

In the meantime, the NOAA Google Working Group will need to monitor the consumption rate of these transactions and coordinate with both implementers of NOAA's Google Maps for Enterprise and the NOAA OCIO to ensure NOAA products relying on Google Maps for Enterprise are able to maintain service throughout their lifecycle. During the process of coordinating, the NOAA Google Working Group and NOAA OCIO will need to be aware of planned uses of the Google Maps for Enterprise so as to be sure procurement and acquisition stay ahead of the growth in consumption of transactions. To this end, the NOAA Google Working Group has established a process for how the Google Maps for Enterprise can be implemented within NOAA. The intent of this procurement is to encourage the use of the Google Maps API within NOAA and assure that adequate transactions are purchased to support that use.

The first step in this process involves providing NOAA developers with a "key" which facilitates their development of new applications using the Google Maps API. Current arrangements with Google have established that within NOAA, under the terms of NOAA's procurement, NOAA developers can and should register themselves with the Google Maps API program and do development and testing work using the "free" Google Maps API. Using this process will help NOAA avoid costs that would be incurred for unnecessarily using the paid-for transactions for development and testing.

The second step in this process involves implementing a "special key" that has been provided to NOAA which is to be used on production, public-facing Google Maps based applications developed and hosted by NOAA. These "special keys" are listed in the table below, and are matched with a specific domain from which the request for the Google Maps API functionality must be made. For example, when NWS implements a Google Maps API function on a web page hosted on www.weather.gov, it must be paired with the "special key" listed below that is encoded for use on weather.gov servers. The same situation is true for requests to the Google Maps API originating from mpa.gov and noaa.gov servers. None of these "special keys" will function from machines that have IP Addresses that do not resolve to a domain ending in weather.gov, mpa.gov or noaa.gov. Uses of the Google Maps for Enterprise Keys are monitored by Google and usage statistics will be monitored by the NOAA Google Working Group to ensure adequate transactions are available to support NOAA's usage.

Finally, the NOAA Google Working Group will periodically collaborate with implementers of NOAA Google Maps for Enterprise prior to the expiration or complete consumption of NOAA Google Maps for Enterprise transactions to gather anticipated usage forecasts to build subsequent procurements of transactions.

NOAA Google Maps for Enterprise Domain/Key codes

| <u>Domain</u> | <u>Key</u> |
|---|---|
| http://mpa.gov | ABQIAAAAIoZKb9JrajP0IwKLFr335hTzr8oSV6sInHU9bsgH3IJ8DSBSjhSzRQV |

| | |
|---|---|
| http://weather.gov | yiDg6g1MgcWmc AzAw0puquA ABQIAAAAIoZKb9JrajP0IwKLFr335hSDYIfhmdurPtzTcigVy3yzQfgIkBSylqDYK sdt6fRajY8B 9sEqwWuQtQ |
| http://aviationweather.gov | ABQIAAAAIoZKb9JrajP0IwKLFr335hQ3Na7UbYUwdzjOPbFTvLzeSKFFERSIJO biokrdAlwH_59s yeYlFwuaog |
| http://noaa.gov | ABQIAAAAIoZKb9JrajP0IwKLFr335hTsk_juWuwt_LNtOqByAr93uT9HuRTzovV KWJSi3TQGBPsW MWPYwDIQdg |

NOAA Google Maps for Enterprise Tips

Your client Id is "gme-noaa". Please be aware you will need to use the following syntax in your script tag:

```
<script src="http://maps.google.com/maps?oe=utf-8&file=api&v=2&key=myKeyString&client=gme-noaa"
type="text/javascript">
</script>
```

Here are some things you should know to get started:

I) Documentation

We encourage you to visit the documentation section on the Google Maps website for technical assistance. The starting point for Google Maps documentation is <http://www.google.com/apis/maps/documentation/>

II) Discussion Group

Please visit our online Google Maps discussion groups to take advantage of our very active user community: <http://groups.google.com/group/Google-Maps-API>

III) Support

Our expert Google Maps for Enterprise support team is available to assist you with the Google Maps API, and it can be reached by sending an email to ent-maps@google.com.

After you start using your Google Maps implementation in your production environment, you may report high severity support incidents that significantly impede the proper use of Google Maps for multiple end users by using our support Hotline at 1-866-4GOOGLE, Option 4. This Hotline is available on Monday through Friday, from 8am-5pm Pacific Time.

Our technical support service guidelines are available at:
http://support.google.com/enterprise/doc/gsa/terms/maps_tssg_20060718.html